



Payload 3 Daily Flight Report

Date: 2024-05-28

Flight Campaign ID: P3C1

Airport, FBO ID, City: Bessemer Municipal Airport - Mitchell Field (KEY) - Bessemer, AL

Aircraft: N821AR

Domain: 08 (Ozarks Complex)

Sites Flown: DELA (Dead Lake), TALL (Talladega National Forest)

Days left in Domain: 5

Report Author: Mike

Lidar Operators: Mike

Flight Hours: 03:58

Spectrometer Operators: Elissa **Hours until maintenance:** 59.70

Pilots: Jacob, Justin

Summary

Thanks to a couple FBO staff who agreed to come into work early this morning, we were able to get off the ground quickly and arrive at our site just in time for solar angle start. We collected 10 priority lines in green before conditions degraded due to increasing cirrus and cumulus. Since the forecast is not promising enough to guarantee another chance at green collection, we kept flying and completed the DELA and TALL flight boxes in yellow and red conditions.

Concerns

After working consistently for several weeks, the daily report failed to generate today.

Comments

D08 field staff were able to get the LENO camera back online during their scheduled site visit today.

Cumulative Domain Coverage

Estimated Cloud Cover Key

Green:	Yellow:	Red:
0-10%	11-50%	>50%

Solar Angle Less Than 40 degrees

Line #

D08 | DELA (Dead Lake)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
21	22	23	24	25	26	27	28	29	30	31	32	33	34	35						

Flown: 40% (14/35)

Green: 14% (5/35)

Yellow: 26% (9/35)

Red: 0% (0/35)

D08 | LENO (Lenoir Landing)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26														

Flown: 100% (26/26)
 Green: 0% (0/26)
 Yellow: 0% (0/26)
 Red: 100% (26/26)

D08 | TALL (Talladega National Forest)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26														

Flown: 50% (13/26)
 Green: 0% (0/26)
 Yellow: 38% (10/26)
 Red: 12% (3/26)

D03 | JERC_P1 (Jones Ecological Research Center Priority 1)

2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
22	23	24	25	26															

Flown: 100% (25/25)
 Green: 0% (0/25)
 Yellow: 40% (10/25)
 Red: 60% (15/25)

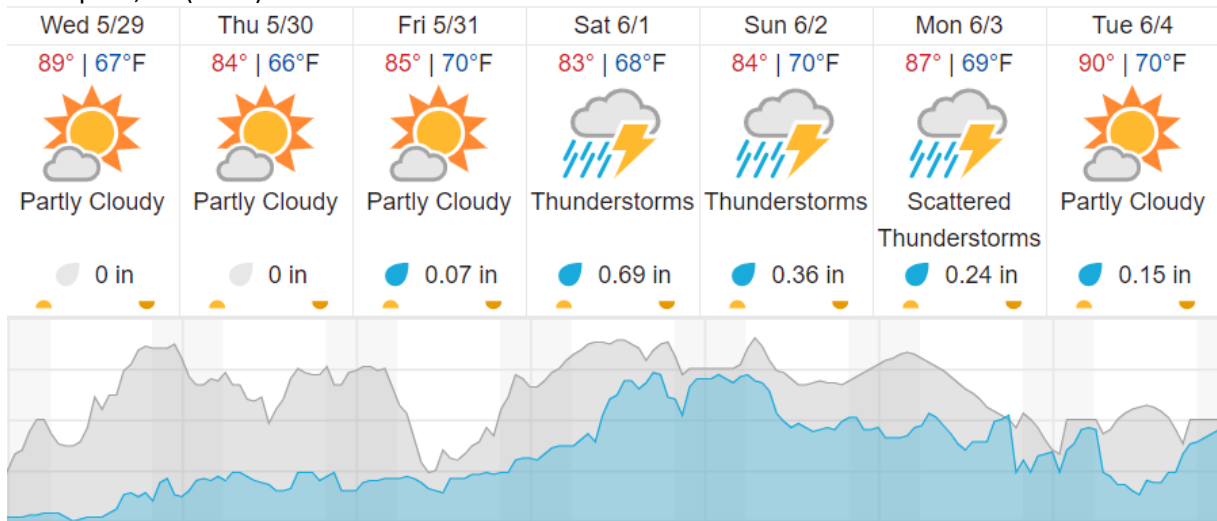
D03 | JERC_P2 (Jones Ecological Research Center Priority 2)

28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
48	49	50	51																

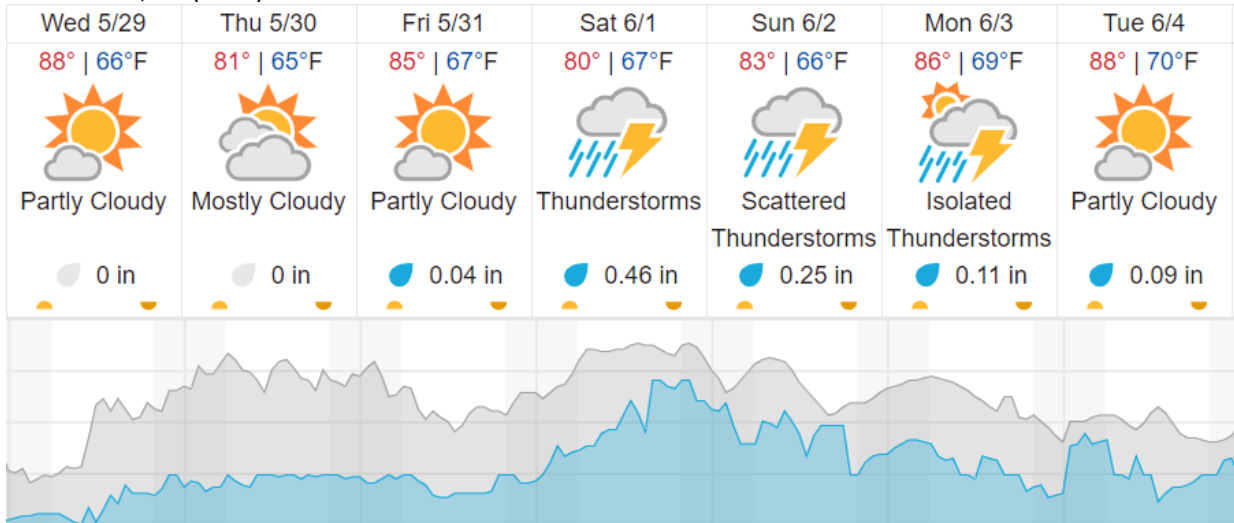
Flown: 100% (24/24)
 Green: 0% (0/24)
 Yellow: 100% (24/24)
 Red: 0% (0/24)

Weather Forecast

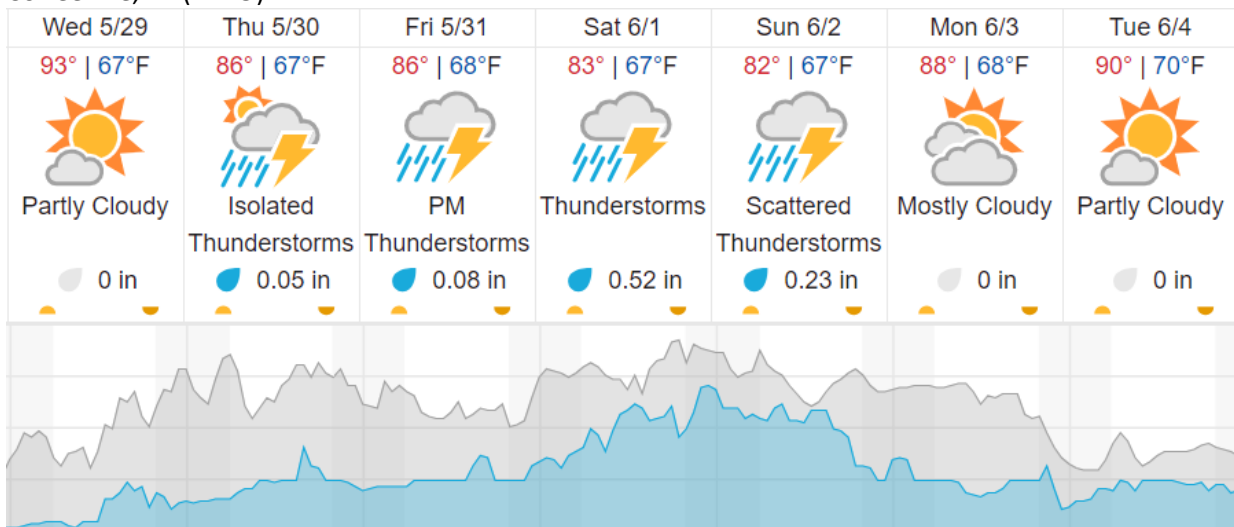
Demopolis, AL (DELA)



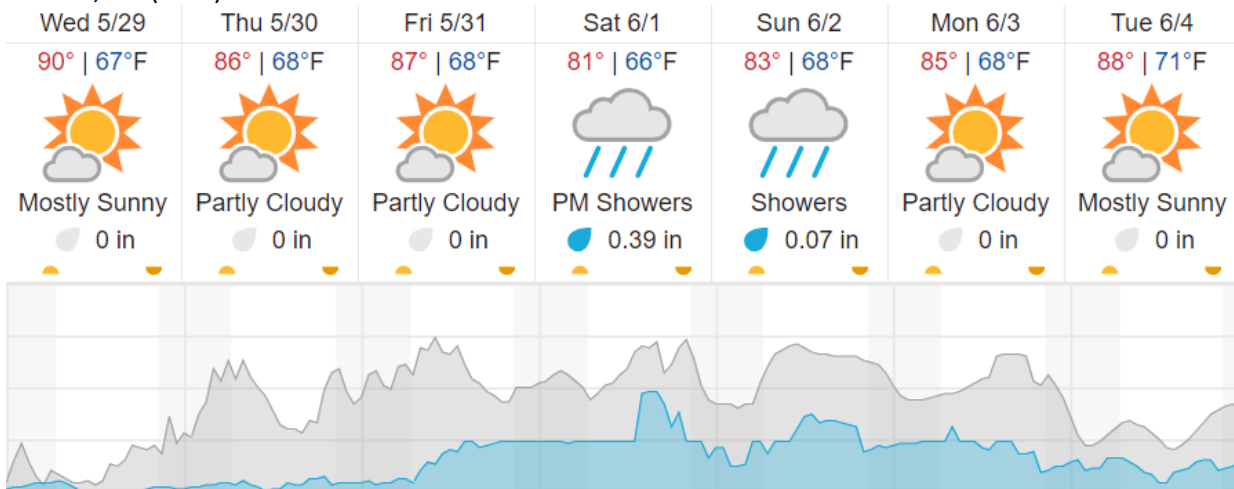
Moundville, AL (TALL)



Coffeeville, AL (LENO)



Camilla, GA (JERC)



Cloud Cover (%) Chance of Precip. (%)

Flight Collection Plan for 29 May 2024

Flyority 1

Collection Area: Dead Lake (DELA) – Priority 1 Flight Box – *if green*

Flight Plan Name: D08_DELA_R1_P1_v2_Q780

On-Station Time: 1410 UTC/ 0910 L

Flyority 2

Collection Area: Talladega National Forest (TALL) – *if green*

Flight Plan Name: D08_TALL_C1_P1_v2_Q780

On-Station Time: 1410 UTC/ 0910 L

Flyority 3

Collection Area: Lenoir Landing (LENO) – *if green*

Flight Plan Name: D08_LENO_R2_P1_v2_Q780

On-Station Time: 1410 UTC/ 0910 L

Flyority 4

Collection Area: Dead Lake (DELA) – Priority 2 Flight Box – *if green*

Flight Plan Name: D08_DELA_R1_P2_v2_Q780

On-Station Time: 1410 UTC/ 0910 L

Flyority 5

Collection Area: Jones Ecological Research Center (JERC) P1 – *if green*

Flight Plan Name: D03_JERC_R2_P1_P2_v4_PRM.xml

On-Station Time: 1410 UTC/ 0910 L

Crew: Mike (Lidar), Elissa (NIS)